

SHRI RACHANA RAJASEKARAN

Software Quality Assurance Engineer

📍 San Jose, California

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Summary

- 7 plus years of industrial experience in Test strategy, Test planning, execution, risk analysis, and process improvement.
- Extensive experience in Hardware, Firmware, and Software testing on various products and platforms.
- Managed junior engineers, test analysts and development analysts across global teams for continuous testing and execution.
- Strong passion for leading and delivering complex projects from test planning through beta release, production, launch, and hyper care.
- Drove QA Launch Readiness (LR), Monthly Release (MR) and Weekly Business Review (WBR) meetings.
- Collaborated with PMs to plan, and drive demos, play-with sessions ahead of product releases.
- Thorough knowledge in automation tools and frameworks including Selenium, Appium, JUnit and Rest-assured.
- Hands-on experience with Python, GIT for code management, RESTful API Web services, and JSON.

Work experience

Nov 2021 – Software Quality Assurance Engineer II

JAN 2023 Amazon Inc, Sunnyvale, CA

- Developed test strategy, plan, test cases and risk analysis for Amazon's Automotive SDK across multiple OS (Ubuntu), and chipset (QUALCOMM 8x95 and Mac M1).
- Developed Performance, Concurrency and Chaos tests for testing Amazon's Automotive SDK on simulator, and hardware by measuring CPU utilization, and memory usage.
- Initiated and drove automation for end to end tests of Amazon's Automotive SDK: set up test beds, designed, developed, implemented python scripts, and API tests.
- Delivered Bluetooth connectivity test strategy, plan, and test cases for Fire TV family of devices.
- Set-up and automated remote BLE tests in RF chambers for Fire TV devices .
- Analyzed and debugged sys logs, device level logs, air logs (Ellisys Bluetooth Analyzer).

Mar 2021 – Quality Assurance Engineer

Oct 2021 Meta Inc, Burlingame, CA

- Delivered exhaustive test strategy, test plans, test cases, and test scripts for Portal's touch and TV device's 3rd party app release .
- Developed dashboards to analyze data leaks on voice and video calling apps on Portal devices.
- Developed log analyzer scripts that run against crashes which brought down the time spent by developers on initial root cause analysis.
- Drove triage meetings with developers to debug and diagnose issues for various third-party video streaming apps on the Portal device.
- Improved bug escape analysis, documented COE and drove retrospective for constant process improvements.
- Collaborated with PMs to identify Beta participants and survey Customer Satisfaction metrics.

Aug 2017 – Quality Assurance Engineer

Mar 2021 Intuitive surgical Inc, Sunnyvale, CA

- Designed, and developed test plan, test cases and traceability matrix for the DaVinci Robotics Arm's learning management system (LMS) for doctors and practitioners.
- Developed and tested localization for the learning management across 17 languages in web, iOS and Android platforms.
- Automated end-to-end Appium test cases for LMS.
- Set-up mobile farms and implemented CI/CD pipelines to test robotics simulator data.
- Developed smoke, functional, UI, regression tests for field management systems to support Robotics sales engineers.
- Developed POCs for different tools for RPA.
- Developed SAP test cases using TOSCA for continuous data creation, and testing SAP Hana based finance data.

- Extensive experience in bug bashes, bug triage, and test suite management using JIRA, HP ALM, ServiceNow etc.

Skills

ADB debug, , Ellisys Bluetooth Analyzer

Amazon Auto SDK, VHAL

API testing and documentation

Python3, SQL, JavaScript, JSON, Selenium Web driver, Appium, POSTMAN, TOSCA

QUALCOMM 8x95, Mac M1 and Intel chipset

Ubuntu, Windows and Mac OS

Android, iOS, Simulators

AWS E2, S3, Node JS, React Native

Sep 2015 – IT Application Developer Analyst

Mar 2017 Kabam Inc, SF, CA

- Developed and managed localized Drupal site in PHP to support mobile game release information.
- Developed several proof-of-concepts for intra company solutions.
- Developed the UI for the learning management system.

Apr 2015 – Test Analyst

Sep 2015 Intuitive surgical Inc, Sunnyvale, CA

- Developed test plan and test cases for Salesforce web applications.
- Developed automated python-based test scripts.
- Fixed visual force code-based bugs.

Education

- Master of Science in Computer Software Engineering – 2015, California State University, Long Beach
- Bachelor of Engineering in Electronics and Communication Engineering – 2012, SRM University, India